

CLAIM AMENDMENTS

Please change "Patent Claims" to -- I claim: --.

1.-5. (canceled)

1           6. (new) A pulse sound transducer for an ultrasonic  
2 range and capable of receiving or transmitting sound signals,  
3 consisting essentially of:

4           a block of piezoelectric material in the form of a single  
5 polygonal-section column having a shoulder individual to said  
6 column at one end thereof and forming a base, said shoulder having  
7 the same geometric configuration as said column and projecting  
8 uniformly outwardly perpendicular to each face of said column, said  
9 shoulder having a thickness  $a$  and a planar surface on a side of  
10 said shoulder opposite said column, said block having an overall  
11 height  $h$  and said column having a width  $c$ , said column and said  
12 shoulder forming a cell with all of its longitudinal cross sections  
13 being T-shaped and with base polarization perpendicular to said  
14 planar surface, the ratio of the thickness  $a$  to the width  $c$  to the  
15 overall height  $h$  being 1 to 4 - 6 to 10; and

16           an electrode on said surface and another electrode on at  
17 least one of said faces of said column for electrical coupling to  
18 said block.